

ANNUAL REPORT

OF THE COMMITTEE OF THE

MANCHESTER AND SALFORD

SANITARY ASSOCIATION

(Established A.D. 1852)

AND OF THE

COMMITTEES OF ITS AFFILIATED
SOCIETIES:

LADIES' HEALTH SOCIETY,
SMOKE ABATEMENT LEAGUE.

FOR 1896.

AT THE ANNUAL MEETING of the Manchester and Salford Sanitary Association and its Affiliated Societies—The Ladies' Health Society, and the Manchester and Salford Smoke Abatement League—held in the LORD MAYOR'S PARLOUR, TOWN HALL, MANCHESTER, on FRIDAY, FEBRUARY 19th, 1897,

PROFESSOR D. J. LEECH, M.D., F.R.C.P., in the Chair,

The Reports and Treasurers' Accounts, copies of which lay on the table, were, by consent, taken as read; and it was, on the motion of the CHAIRMAN and seconded by Professor DELEPINE, M.B.,

Resolved—"That the Reports, as presented by the Committees of the Associations, in Union, of their proceedings in the year 1896, with the Treasurers' Accounts, be approved, and that the Committees be requested to print and widely circulate the same."

Moved by Professor J. DIXON MANN, M.D., seconded by Mr. T. C. HORSFALL, J.P., supported by Mr. JAMES JOHNSTON, J.P., and Rev. S. N. PERRY, M.A., and

Resolved—"That this Meeting approves of the objects and method of work of the several Committees connected with the Manchester and Salford Sanitary Association, and considers that the efforts made by them to spread among the people a knowledge of the laws of health, to promote cleanliness, temperance, and thrift, to obtain a purer atmosphere, to improve the dwellings of the poor, and to preserve the lives of their children, deserve a more adequate support from the general public."

Moved by Dr. JAMES NIVEN, Medical Officer of Health, Manchester, seconded by Dr. CHARLES PORTER, Medical Officer of Health, Stockport, and

Resolved—"That the best thanks of the Meeting be given to the President, Vice-Presidents, Officers, and Committees for their services during the past year, and that the following Ladies and Gentlemen be requested to act for the ensuing year."
(See page 3.)

The Chair having been taken by Mr. S. L. HELM, it was

Moved by Dr. R. WILD, seconded by Professor FLUX, and

Resolved—"That the best thanks of this Meeting be given to the Right Honourable the Lord Mayor of Manchester for granting the use of his Parlour for this Meeting, to the Lady Mayoress for her hospitality, and to Professor Leech for his services in the Chair."

Manchester and Salford Sanitary Association.

COMMITTEE AND OFFICERS FOR THE YEAR 1897.

President :

THE RIGHT REV. THE LORD BISHOP OF MANCHESTER.

Vice-Presidents :

THE RIGHT HON. THE LORD MAYOR OF MANCHESTER.

THE RIGHT WORSHIPFUL THE MAYOR OF SALFORD.

THE VERY REV. THE DEAN OF MANCHESTER.

THE VENERABLE ARCHDEACON WILSON.

B. ARMITAGE, Esq., J.P.

THE RIGHT HON. JACOB BRIGHT.

SIR HENRY E. ROSCOE, F.R.S.

GEORGE BOWRING, Esq., F.R.C.S.

HENRY BROWNE, M.D.

FRANCIS GREG, Esq.

JAMES HARDIE, Esq., F.R.C.S.

A. EMRYS-JONES, M.D., J.P.

JAMES NIVEN, Esq., M.A., M.B.

H. PHILIPS, Esq., J.P.

A. RANSOME, M.D., M.A., F.R.S.

Professor REYNOLDS, F.R.S.

JOHN ROBERTS, M.D.

HENRY SIMPSON, M.D.

Professor WM. STIRLING, M.D.,
D.Sc.

JOHN TATHAM, B.A., M.D.

Treasurer :

S. L. HELM, Esq.

Honorary Secretaries :

T. C. ABBOTT, Esq.

R. T. WILLIAMSON, M.D.

Committee :

Chairman—Professor DANIEL J. LEECH, M.D.

JOHN ANGELL, Esq., F.C.S., F.I.C.

G. H. BAILEY, Esq., D.Sc.

ALFRED BROWN, M.D.

J. CARTER BELL, Esq., F.I.C.,
A.R.S.M.

R. CREAN, M.D.

CHAS. ESTCOURT, Esq., F.C.S., F.I.C.

JAS. FILDES, Esq.

W. E. FOTHERGILL, M.D.

WM. GRAHAM, M.D.

J. W. HAMILL, M.D.

W. M. HAMILTON, M.D.

C. HEATHCOTE, Esq., F.R.I.B.A.

R. HEATHCOTE, Esq.

T. C. HORSFALL, Esq., J.P.

H. R. HUTTON, Esq., M.B., M.A.

JAMES JOHNSTON, Esq., J.P.

Rev. J. E. MERCER, M.A.

Professor J. DIXON MANN, M.D.

J. E. PHYTHIAN, Esq.

Rev. S. NUGENT PERRY, M.A.

H. W. POMFRET, M.D., F.R.C.S.

CHAS. PORTER, M.D.

E. S. REYNOLDS, M.D.

F. W. ROE RYCROFT, Esq.

W. SAWERS SCOTT, M.D.

E. SIDEBOTHAM, M.D.

J. W. SMITH, Esq., M.B., F.R.C.S.

WM. THOMSON, Esq., F.R.S. Ed.,
F.C.S.

F. VACHER, Esq., F.R.C.S.

R. B. WILD, M.D., M.R.C.S.

R. W. WILDE, Esq.

Rev. Canon WOODHOUSE, M.A.

Rev. W. WHITHAM.

Delegates from Ladies' Health Society :

Mrs. CLAY.

Mrs. REDFORD.

Secretary :

Mr. FRED SCOTT.

Office : Temple Chambers, 33, Brazennose Street, Manchester.

SUB-COMMITTEES.

The Chairman and Honorary Secretaries Ex-Officio.

FINANCE.

James Fildes, Esq.		S. L. Helm, Esq.		James Johnston, Esq.
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LECTURES & PUBLICATIONS.

John Angell, Esq.		Dr. Hutton.		Dr. E. J. Sidebotham.
Dr. Brown.		Prof. Dixon Mann.		Wm. Thomson, Esq.
Dr. Crean.		Rev. J. E. Mercer.		F. Vacher, Esq.
Dr. Fothergill.		Dr. Porter.		Dr. Wild.
Dr. Hamill.		J. Priestley, Esq.		
C. Heathcote, Esq.	|	Dr. E. S. Reynolds.	|	

MILK & FOOD SUPPLY.

John Angell, Esq.	|	S. L. Helm, Esq.	|	Mrs. Redford.
J. Carter Bell, Esq.		Dr. Hamilton.		Dr. Smith.
Mrs. Clay.		T. C. Horsfall, Esq.		Dr. Scott.
C. Estcourt, Esq.		James Johnston, Esq.		W. Thomson, Esq.
J. Fildes, Esq.		Dr. Porter.		F. Vacher, Esq.
Dr. Hamill.	|	J. Priestley, Esq.	|	

RECREATION & OPEN SPACES.

John Angell, Esq.	|	S. L. Helm, Esq.	|	J. E. Phythian, Esq.
Mrs. Clay.		T. C. Horsfall, Esq.		Mrs. Redford.
Dr. Crean.		Dr. Hutton.		Rev. W. Whitham.
Dr. Emrys-Jones.	|	Rev. S. N. Perry.	|	

OFFENSIVE TRADES & NUISANCES.

John Angell, Esq.	|	Prof. Dixon Mann.	|	F. W. Roe Rycroft, Esq.
Dr. Crean.		Rev. J. E. Mercer.		Wm. Thomson, Esq.
Dr. Graham.		Rev. S. N. Perry.		F. Vacher, Esq.
Dr. Hamill.		J. E. Phythian, Esq.		R. W. Wilde, Esq.
T. C. Horsfall, Esq.	|	J. Priestley, Esq.	|	Dr. Pomfret.

PARLIAMENTARY & LEGAL SUB-COMMITTEE.

Prof. Hopkinson, Q.C.	|	F. W. Roe Rycroft, Esq.	|	R. Heathcote, Esq.
J. E. Phythian, Esq.	|	R. W. Wilde, Esq.	|	

DISPOSAL OF THE DEAD.

C. Heathcote, Esq.	|	Rev. J. E. Mercer.	|	J. E. Phythian, Esq.
S. L. Helm, Esq.		Rev. S. N. Perry.		Rev. W. Whitham.
T. C. Horsfall, Esq.	|	H. Philips, Esq.	|	Rev. Canon Woodhouse.

RIVERS POLLUTION.

J. Angell, Esq.	|	C. Heathcote, Esq.	|	Sir. H. E. Roscoe.
G. H. Bailey, Esq.		Dr. Hutton.		Wm. Thomson, Esq.
Dr. Brown.		James Johnston, Esq.		F. Vacher, Esq.
Dr. Graham.		Dr. Porter.		
Dr. Hamill.	|	J. E. Phythian, Esq.	|	

SANITARY DISTRICTS.

This Sub-Committee consists of those gentlemen co-operating with the Ladies' Branch.



MANCHESTER AND SALFORD

SANITARY ASSOCIATION.

REPORT FOR 1896.

THE Committee have pleasure in presenting to the Subscribers an account of the principal matters which have engaged their attention during the past year.

The Committee having reason to believe, from information received through the Ladies' Health Society and other sources, that overcrowding exists to a serious extent in Manchester, and that a large proportion of the existing dwellings is incapable of being rendered fit for human habitation by structural alteration, devoted some attention to the question of co-operating with the City Council in their efforts to supply improved dwellings. An outcry having been raised against the new dwellings in Oldham Road, a deputation from the Association visited the building, and reported that the arrangements for health and comfort seemed quite satisfactory, and that the tenants of the dwellings were invariably satisfied. At the lectures delivered during the year, several opportunities were taken advantage of to counteract any prejudice that might have arisen against the so-called "barracks," and the corresponding discouragement of further effort by the City Council. But it is recognised that co-operation of a more practical character is needed, and arrangements have consequently been made by the Associations for a conference on the subject, to be held early in the New Year, which it is hoped may lead to the initiation of some plan for supplementing, by means of private enterprise or otherwise, the provision of dwellings made by the Corporation. The Chairman has undertaken to read a paper at the Conference.

The Committee are much indebted to their colleague, Mr. Wm. Thomson, for a series of reports made by him on the débris of exploded lamps received from the police through the courtesy of the Chief Constable, to whom also the Committee

Artisans'
Dwellings.

Lamp
Accidents.

desire to express their acknowledgments. The evidence afforded by these reports induced the Committee to press upon the Government the importance of raising the present low flash point of the mineral oils imported to this country. With a view to combined action with the constituted authorities, a deputation from the Association had an interview with the Weights and Measures Committee of the Corporation, and suggested that a joint deputation from the City Council and the Association should wait upon the Home Secretary or President of the Local Government Board to urge the introduction of a Bill for the purpose of raising the flash point of oils, and so prevent the sale of the dangerous low-class oils now in common use. The Weights and Measures Committee requested that the views of the Association should be submitted to them in writing, and this was done. (See Appendix A.)

The Committee offered to provide expert witnesses to give evidence on behalf of the Corporation before the Select Committee of the House of Commons on Petroleum Oils during the Session of Parliament in 1896. This offer was not accepted. The Association therefore applied, on its own account, for permission to send witnesses to the Select Committee. The reply was that the Session of the Committee was nearly ended, but application might be renewed when it was reappointed next year. This the Committee intend to do.

Sewage
Disposal.

The important question of the disposal of Manchester Sewage, upon the solution of which such vast sums have already been expended by the Corporation, has during the past year again engaged much public attention, and the Committee, determined to aid in forming sound public opinion on the subject, intend holding a conference at an early date, when an opportunity will be afforded for a thorough discussion of the problem by experts.

The Church
and Sanitary
Reform.

By kind permission of the Dean of Manchester, a sermon on the subject "The Laws of Health,—the Laws of God," was preached in the Manchester Cathedral, in April, by the Rev. C. V. Gorton, M.A., Vicar of Morecambe, a former member of the Committee. This sermon was subsequently published in the hope that other ministers of religion might be induced to bring the powerful influence of their pulpits to bear in promoting sanitary reform.

Nuisances at
Miles Platting.

The Offensive Trades Committee have had under consideration complaints of foul smells, causing sickness, in the Miles Platting district. The detection of the source of these odours is a great difficulty, and your Committee would urge on the Corporation the necessity of further investigation. The matter is serious, and the Association would willingly lend any assistance in their power towards the abatement of the nuisances.

The option of purchasing Trafford Park having been given Trafford Park. to the Corporation, the Association memorialised the Special Committee of the City Council appointed to consider the offer, in favour of acquisition of the property by the citizens. (See Appendix B.)

A proposal having been made by the Parks Committee of Meetings in Playgrounds. the Corporation to allow public meetings to be held in certain open spaces and children's playgrounds, which had been secured, largely by the efforts of this Association, a protest against this was made by the Committee of the Association. A deputation interviewed and presented a Memorial (Appendix C) to the Lord Mayor and other members of the Council, urging the rights of the children to unrestricted use of the playgrounds, of which there are at present only too few. The Chairman of the Parks Committee withdrew the proposal at a subsequent meeting of the City Council.

An important event in relation to the abatement of the Smoke Abatement. smoke nuisance was the publication during the past year of the report of the Committee for Testing Smoke Preventing Appliances (an offshoot of one of the branches of this Association). This valuable report, which had taken six years to prepare, demonstrated that the smoke produced by steam boiler furnaces and in some manufacturing processes might be prevented. The Committee adopted a resolution commending the report to the careful attention of steam users.

The Committee, in furtherance of this necessary sanitary reform, has joined the Smoke Abatement League, and other kindred associations, in preparing a memorial to the Local Government Board in favour of Government inspection and control of the nuisance.

The Association was invited to send representatives to the Congress of British Institute of Public Health. Annual Congress held by the British Institute of Public Health, at Glasgow. A paper by the Secretary of this Association (Mr. Fred Scott) on "The Administration of the Law relating to the Smoke Nuisance" led to an important discussion, in the course of which resolutions were passed calling upon the Glasgow Corporation to take active measures for the suppression of the nuisance.

The Committee have had under consideration various Parliamentary Bills. Bills before Parliament during last Session, including the Boiler Inspection and Registration Bill; the Steam Engines and Boilers (Persons in Charge) Bill; and the Safety of Nurse Children Bill; but as they failed to reach second reading, the Committee took no public action in relation to them.

At the invitation of the Council for Registration of Plumbers, Sanitary Museum for Manchester. the Association was represented on a deputation to the Manchester Technical Instruction Committee, when the

Registration Council offered, as the nucleus of a Sanitary Museum to be located in the New Technical School, the prize work resulting from a competition then being organised. The proposal, which was strongly supported by the Chairman of this Association, was very favourably received, so that there is now a prospect of Manchester having a Museum which, in time, will correspond to the Parkes Museum, in London—a very useful institution.

Carbolic Acid
Poisoning.

The Committee had again under consideration the increasing mortality from carbolic acid poisoning, and in view of the information, statistical and otherwise, produced by Dr. Dixon Mann, the Committee deemed it incumbent upon them to memorialise the Home Secretary on the subject. (See Appendix D.)

The Royal
Infirmary.

A Grand Committee of the Trustees of the Royal Infirmary appointed for the purpose of considering the best means of supplying additional accommodation for In-Patients having reported in favour of extending the building on the present site, a joint meeting of the Committees of this Association and the Ladies' Health Society was held, at which an important discussion took place, which was well reported in the Press.

The following resolutions were passed at the meeting :—

“That this Special Meeting of the Executive of the Manchester and Salford Sanitary Association and the Ladies' Health Society views with alarm the proposal of the Grand Committee appointed to consider the subject of the Royal Infirmary extension, and desires to urge on the City Council and the Trustees of the Infirmary the strongest opposition to the contemplated encroachment on the present open space.”

“That this meeting is of opinion that the present is a convenient time for considering the possibility of a co-ordination of the work of the various hospitals, and for arranging to have a combined out-patients' department in the centre of the town, and that the authorities of the Royal Infirmary be requested to take the initiative in obtaining a consideration of this proposal.”

Winter
Lectures.

The thanks of the Association are due to the following gentlemen for the services rendered by them as Lecturers for the Association :—

LECTURER.	SUBJECT.	PLACE.
Dr. R. Crean	“Longevity”	New Islington Hall, Ancoats.
Dr. W. E. Fothergill ...	{ “Eating, Drinking, and Smoking”	{ Shaftesbury Institute, Ancoats.
Dr. W. E. Fothergill	“Infant Care and Feeding”	{ Holland Street Ragged School, Miles Platting.
Dr. J. A. Menzies	{ “Tea, Coffee, and Cocoa, as Articles of Diet”	{ St. Andrew's School, Ancoats.
Dr. W. P. Montgomery ...	“Exercise and Training”	...New Islington Hall, Ancoats.

LECTURER.	SUBJECT.	PLACE.
Prof. John Dixon Mann, M.D.	{ "Some Hints on Eating and Drinking"	{ St. Mark's School, Miles Platting.
Rev. S. N. Perry	{ "The Old Year and the New"	{ Every Street Board School, Ancoats.
Dr. E. S. Reynolds	{ "Dirt and its Consequences"	{ Elm Street Wesleyan School, Miles Platting.
Dr. J. W. Smith.....	{ "Common Accidents, and How to Treat Them".	{ St. Michael's School, George Leigh Street, Ancoats.
Dr. J. W. Smith.....	{ "Common Accidents"—Part II.....	{ St. Peter's School, Bengal Street, Oldham Road.
Dr. R. B. Wild	"A Healthy Skin"	New Islington Hall, Ancoats.
Wm. Thomson, Esq., F.C.S., F.R.S.E. ...	{ "The Importance of Pure Air to Health"	{ Primitive Methodist Central Mission, Ancoats.
Dr. R. B. Wild	{ "Dirt, Darkness, and Disease"	{ New Islington Hall, Ancoats.
Dr. F. H. Worswick.....	{ "Popular Errors in Food, Habits, and Clothing"	{ New Islington Hall, Ancoats.
Dr. A. Brown	"Breathing"	New Islington Hall, Ancoats.
Dr. F. H. Worswick.....	{ "Why Young Children Die"	{ New Islington Hall, Ancoats.
T. C. Abbott, Esq.....	{ "The Duties of Citizenship in Relation to Public Health."	{ Primitive Methodist Central Mission, Ancoats.

A special feature of the Winter Lectures during the current season is a series provided by the Association for the Municipal Technical School, Clitheroe, and delivered by the following gentlemen:—

NAME.	SUBJECT.
Dr. Emrys-Jones	“Care of the Eyesight ”... { Illustrated with Models and Lantern.
Dr. W. E. Fothergill ...	{ “The Foot and Its De- formities” } Illustrated.
Dr. W. Milligan.....	{ “The Circulation of the Blood ” } Illustrated by Lantern.
Dr. J. S. Bury	{ “The Injurious Effects of Certain Habits and Occupations on the Nervous System”..... }
Mr. T. C. Abbott	{ “The Duties of Citizen- ship in Relation to Public Health ” }

For List of Published Lectures, Tracts, &c., see Appendix E.

It will be seen from the Treasurer's statement that there is a serious deficit this year. The income, owing to deaths, removals, &c., has dropped to the low sum of £144. This is inadequate to pay ordinary standing expenses. A substantial increase in the subscription list is urgently needed, particularly in the current year, when the contemplated conferences and other work will necessitate exceptional outlay. The Committee consequently earnestly appeal to the public for special donations and annual subscriptions. The usefulness of the Association may be developed to any extent if adequate funds are supplied.

The Committee desire to record their thanks to the Editors of the Manchester newspapers for their valuable help in

Finance.

The Aid of the Press.

reporting meetings, publishing communications, and supporting the aims of the Association.

Obituary.

The Committee have to record with regret, the death of Mr. John Newton, C.E., one of the vice-presidents of the Association, who has in past years rendered valuable service through the Association to the cause of Sanitary reform.

Health of
Manchester.

The death-rate of Manchester during 1896 was less than in 1895—for the years 1894, 1895, and 1896, the death-rates being respectively 19·89, 24·6, and 21·9 per 1,000.

Report of the
Medical
Officer.

It is highly satisfactory to learn from the report of the Medical Officer of Health that only one case of small-pox was notified during the year 1896, that the number of cases of diphtheria has diminished, and that there has been no serious epidemic of any infectious or acute disease.

Nevertheless, the death-rates in several of the registration districts of Manchester for the year are abnormally high, in comparison with that of other large towns; and this high death-rate fully justifies the efforts of the Association to advance the sanitary condition of Manchester and Salford.

The infant mortality still continues excessive, and a large number of Coroner's inquests have been held on children found dead in bed.

Dr.

SANITARY CONFERENCE ACCOUNT.

Cr.

1896.		INCOME.		EXPENDITURE.		1896.	
Jan. 1.	To Cash in Bank ...	...	...			Dec. 31.	By Printing Conference Proceed-
Dec. 31.	„ Sales of Proceedings	...	...				ings ...
„	„ Balance to General Account ...	18	17	1		„	„ Sundries...
	</						

MANCHESTER AND SALFORD SANITARY ASSOCIATION.

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Treasurer's Statement of Income and Expenditure for the year 1896.

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INCOME.		£	s.	d.	EXPENDITURE.		£	s.	d.
1896.	To Cash in Bank	By Secretary's Salary	...	100	0	0
Jan. 1.	Subscriptions	Rent and Taxes	...	40	0	0
Dec. 31.	Interest on Investment with Tyne Conservancy Board ...	...	7	15	Printing, Stationery, and Engraving	...	29	1	3
"	Balance owing to Bank...	...	30	7	Advertising	...	3	16	0
"					Postages and Petty Cash	...	5	19	2
					Collector's Commission	...	7	4	1
					Income Tax on Interest	...	0	5	2
					Sundry Payments	...	0	2	4
					Insurance	...	0	3	0
					Balance from Conference	...	18	17	1
					Account	...	18	17	1
					<hr/>				
					£205 8 1				

Examined and found correct,

JONES, CREWDSON & YOUATT,

Chartered Accountants,

Hon. Auditors.

12th February, 1897.

DONATIONS OF FIVE POUNDS AND UPWARDS IN FORMER
YEARS.

						£	s.	d.
Armistead, William, Esq., M.B.	..	..	..	..	..	10	0	0
Atherton, Miss .. ..	..	..	..	..	..	50	0	0
A Friend, per Dr. Morgan ..	..	..	..	..	..	50	0	0
A Friend, per T. Turner, Esq.	..	..	..	..	..	10	0	0
Barber, Robert, Esq. .. ..	..	..	..	..	..	10	0	0
Bazley, T. Sebastian, Esq. ..	..	..	..	..	..	5	5	0
Binyon, Miss Clifton .. ..	..	..	..	..	..	5	0	0
Brooks, Samuel, Esq. .. ..	..	..	..	..	..	50	0	0
Buxton Literary Society ..	..	..	..	..	..	10	10	0
Callender, W. R., sen., Esq. ..	..	..	..	..	..	10	0	0
Chadwick, R., Esq. .. ..	..	..	..	..	..	20	0	0
Cheetham, John, Esq., Stalybridge ..	..	..	..	..	..	5	0	0
Coultate, E., Esq. .. ..	..	..	..	..	..	5	0	0
Ellesmere, The Earl of .. ..	..	..	..	..	..	5	0	0
Gardner, Robert, Esq. .. ..	..	..	..	..	..	5	5	0
Geldart, Mrs. C. .. ..	..	..	..	..	..	10	0	0
Gillibrand, P., Esq. .. ..	..	..	..	..	..	5	0	0
Heywood, E. S., Esq. .. ..	..	..	..	..	..	20	0	0
Heywood, Oliver, Esq. .. ..	..	..	..	..	..	15	0	0
Ditto (1889) .. ..	..	..	..	..	..	5	0	0
Heywood, John, Esq. .. ..	..	..	..	..	..	8	8	0
Heywood, James, Esq. .. ..	..	..	..	..	..	5	5	0
Heywood, Sir B., Bart. .. ..	..	..	..	..	..	5	5	0
Heywood, Arthur H., Esq. ..	..	..	..	..	..	5	0	0
Houldsworth, Henry, Esq. ..	..	..	..	..	..	10	0	0
Himmers, Wm., Esq. .. ..	..	..	..	..	..	5	0	0
Halstead, Mrs. .. ..	..	..	..	..	..	5	0	0
Hilton, E., Esq... ..	..	..	..	..	..	10	0	0
Jones, R. Jennings, Esq. ..	..	..	..	..	..	5	0	0
Jones, W. C., Esq. .. ..	..	..	..	..	..	5	0	0
Manchester, The first Bishop of (Dr. Prince Lee) ..	..	..	..	..	..	10	0	0
Macintosh, Messrs. C. and Co. ..	..	..	..	..	..	5	5	0
Philips, H., Esq. .. ..	..	..	..	..	..	8	1	4
Ditto .. ..	..	..	..	..	..	5	0	0
Plant, James, Esq. .. ..	..	..	..	..	..	5	0	0
Potters and Norris, Messrs. ..	..	..	..	..	..	5	5	0
Procter, D., Esq. .. ..	..	..	..	..	..	5	0	0
Procter, Daniel, Esq., Trustees of the late ..	..	..	..	..	..	50	0	0

					£	s.	d.
	<i>Brought Forward</i>	..	..	..	35	18	6
Fildes, Mr. Councillor, 39, King Street West	..	..	..	..	1	1	0
Frank, Ernest, Esq., Aytoun Street..	..	..	..	..	1	1	0
Froehlich, The Chevalier, Faulkner Street..	..	..	..	..	1	1	0
Gaddum, H. T., Esq., Brown Street	..	..	..	..	2	2	0
Galloways, Messrs., Limited, Chester Road, Hulme	..	..	..	..	2	2	0
Garnett, Stewart, Esq., Pendleton	..	..	..	..	1	1	0
Gleave, Jos. Jas., Esq., Withington Road, Whalley Range	..	..	..	..	0	10	6
Graham, William, and Co., Messrs., Sackville Street	..	..	..	..	1	1	0
Greg Brothers and Co., Messrs., Chancery Place, Booth Street..	..	..	..	..	2	2	0
Greg, Francis, Esq., Chancery Place, Booth Street	..	..	..	..	2	2	0
Graham, Dr. W.	..	..	..	..	0	10	0
Hadfield, George, Esq., St. Ann's Square	..	..	..	..	2	2	0
Hamill, Dr. J. W., Bury New Road..	..	..	..	..	0	5	0
Hamilton, Dr., Patricroft	..	..	..	..	0	10	6
Harrison, Messrs. E. and Co., Minshull Street	..	..	..	..	2	2	0
Harvey, A. C., Esq., Cooper Street	..	..	..	..	1	1	0
Haworth, J., Esq., Pall Mall	..	..	..	..	2	2	0
Haworth, A., Esq., Pall Mall..	..	..	..	..	2	2	0
Haworth, Messrs. Richard and Co., High Street	..	..	..	..	3	3	0
Heathcote, Chas., Esq., 6, Princess Street	..	..	..	..	1	1	0
Helm, S. L., Esq., Somerville, Middleton Road, Hr. Crumpsall	..	..	..	..	2	2	0
Hewit, R. P., Esq., Princess Street	..	..	..	..	1	1	0
Hinrichsen, Messrs. S. and Co., 34, Queen Street	..	..	..	..	1	1	0
Hodgkinson, Dr. A., St. John Street	..	..	..	..	1	1	0
Horsfall, T. C., Esq., Swanscoe Park, Macclesfield	..	..	..	..	2	2	0
Houldsworth, Sir W. H., Bart., M.P., Knutsford..	..	..	..	..	2	2	0
Hyland, Mrs. Rose, Victoria Park, Manchester	..	..	..	..	1	1	0
Holliday, Wise, and Co., Messrs., 57, King Street..	..	..	..	..	1	1	0
Jones, Jas. E., Esq., Portland Street	..	..	..	..	1	1	0
Joyson, E. W., Esq., Ashfield, Sale	..	..	..	..	1	1	0
Kendal, Milne, and Co., Messrs., Deansgate	..	..	..	..	2	2	0
Kessler, William, Esq., 33, Dale Street	..	..	..	..	1	0	0
Kirkman, W. W., Esq., John Dalton Street	..	..	..	..	1	1	0
Knoop, H. L., Esq., 3, Percy Terrace, Moss Lane East	..	..	..	..	0	10	6
Kolp, Kullmann, and Co., Messrs., Hall Street, Oxford Street..	..	..	..	..	1	1	0
Kolp, N., Esq., Victoria Park..	..	..	..	..	1	1	0
Langworthy Bros. and Co., Limited, Messrs., Greengate	..	..	..	..	1	1	0
Lee, Messrs. W. and R. K., Victoria Buildings	..	..	..	..	1	1	0
Leech, Dr., 96, Mosley Street..	..	..	..	..	1	1	0
Lyon, Lord, and Co., Messrs., Princess Street	..	..	..	..	1	1	0
Mann, Professor J. Dixon	..	..	..	..	1	0	0
Manchester, Sheffield, and Lincolnshire Railway Co.	..	..	..	..	1	1	0
Mather, W., Esq., Wood Hill, Prestwich	..	..	..	..	2	2	0
Mather, J., Esq., King Street..	..	..	..	..	1	0	0
Maxwell, Frank, Esq., 41, Corporation Street	..	..	..	..	1	1	0
Middleton, T. C., Esq., 29, Princess Street	..	..	..	..	0	10	6
Murray, A., Esq., Hazeldean, Kersal	..	..	..	..	1	1	0
Newton, John, Esq., Carlton Buildings, Cooper Street	..	..	..	..	1	1	0
Nordlinger, Messrs. S. and C., Portland Street	..	..	..	..	1	1	0
<i>Carried Forward</i>	£99	10	6

			£	s.	d.
<i>Brought Forward</i>					
Parlane, J., Esq., Appleby Lodge, Wilmslow Road	99	10	6
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APPENDIX.

A.—LAMP ACCIDENTS.

33, BRAZENNOSE STREET,

MANCHESTER, May 19th, 1896.

TO THE CHAIRMAN OF THE WEIGHTS AND MEASURES COMMITTEE,

TOWN HALL, MANCHESTER.

SIR,

At your request our Committee has drawn up the following report upon the question of raising the flash point of paraffin or petroleum oils.

The Committee is of opinion that the raising of the flash point is a most important and necessary step for minimising the danger arising from the use of paraffin, petroleum, or mineral oils in households.

Experiment tends to show that if lamps of proper construction and material be employed, even with dangerous oils (*i.e.*, oils having a low flash point), no danger would arise during the careful use of the lamp. It is impossible, however, to obtain in every household the necessary amount of care and intelligence required to deal with such lamps, and this applies especially to the households of the lower classes, in which dangerous low flash mineral oils are often kept in open vessels as cups, saucers, &c. The difficulty would not be met by merely the compulsory use of safety lamps in all households, because the carrying out of such a law would *de facto* be almost impracticable, whereas the raising of the legal standard of flash point from 73°, as at present exists in England, to, say, 103° (Abel test), which we recommend would, in our opinion, practically do away with all chance of explosions in lamps.

The public know the danger which exists from upsetting lamps, and consequently the necessity of exercising care, but it is unreasonable to suppose that the lower classes generally understand the conditions and danger of explosion which is due to faulty construction or imperfectly fitting wicks, together with the employment of oils of low flash point, such as those at present in use in England. Again, lamps which might be perfectly safe to-day may to-morrow, by being accidentally damaged, become unsafe with oils of the present legalised flash point.

In raising the question of the flash point, one must recognise that 73° Fah. is the temperature of many rooms, or of parts of such rooms, and the temperature of the oil in any lamp receptacle would rise still higher by the burning of the oil in the lamp, so that oil at the present legalised flash point is capable of giving off vapour at the temperature of the atmosphere in most rooms sufficient to produce an explosive mixture. If the flash point be increased, as we suggest it should be, to 103° Fah., it would be impossible for such an oil to give off vapour capable of producing an explosive mixture until the oil in the receptacle became heated to a temperature sufficient to produce a painful sensation of heat or burning if the hand were placed upon it. Under ordinary conditions this would seldom or never occur, and it is evident that the simple raising of the flash point to 103° Fah. would do away with a large amount of the danger which at present attends the use of the oils sold in England.

The Committee would also point out that in America, from whence nearly all these low flash point oils come, the people themselves (in most American States) prevent the sale of oils for household purposes unless the flash point be very considerably above 73° Fah., the average flash point being 100°, 105°, or even higher.

From inquiries which we have made from oil distillers, we are informed that the raising of the flash point of the oils would not materially increase their cost.

It has been suggested by gentlemen more or less directly interested in the American oil companies that legislation should be applied to the construction of safe lamps rather than to the raising of the flash point of oils. We desire to point out that it would be almost an impracticable task to remove from the houses of the poor all lamps which are dangerous either from bad construction or from damage which originally safe lamps may have received. And it must be evident, therefore, that the giving of additional safety to the public can much more readily be accomplished by raising the flash point of oils than by trying to induce the poor to spend considerable sums of money in buying new lamps.

We therefore trust that you will be able to see your way to support the suggestion which is made by this Committee, viz. : That the legal standard for the flash point of oils be raised from 73° to 103° (Abel test), and with a view to having that recommendation enforced by law you will obtain permission to lay evidence before the Select Committee of the House of Commons now sitting on the subject of lamp accidents. This Association undertakes to provide the expert evidence.

Yours faithfully,

D. J. LEECH, M.D., F.R.C.P., Chairman.

T. C. ABBOTT,
R. T. WILLIAMSON, M.D. } Hon. Secs.

FRED SCOTT, Secretary.

B.—TRAFFORD PARK.

TO THE SPECIAL COMMITTEE OF THE CITY COUNCIL FOR CONSIDERATION
OF THE PROPOSAL TO PURCHASE TRAFFORD PARK.

The Memorial of the Manchester and Salford Sanitary Association

RESPECTFULLY SHEWETH,

That your Memorialists constitute an old-established institution of the City which has been continuously engaged for many years in promoting the Sanitary well-being of the District.

That, in the opinion of your Memorialists, two of the most urgent needs of such a dense population as that of Manchester and neighbourhood are a liberal provision of open spaces and purity of its supply of air.

That, owing to the proximity of Trafford Park to the Ship Canal, a rapid increase of building may be expected in the near future on that side of the City, which is generally the windward side, and therefore, unless the Park be purchased and the mode in which it is laid out and used be controlled by the City Council, the area will soon be covered with buildings, many of which will emit dense smoke and chemical fumes, and greatly increase the existing impurity of the air reaching the centre and eastern portion of the City.

That if the Trafford Park be not secured by the Corporation, no other opportunity can offer of providing an adequate "lung" on the west side of the City.

Any unpleasantness now caused by the Ship Canal will probably be of a temporary character only, as the action of the Mersey and Irwell Joint Committee may be expected to correct that nuisance very soon.

That the Park, owing to its large area, would offer exceptional facilities for promoting the health of large numbers of citizens, *e.g.*, by providing parade grounds for the military and volunteers, accommodation for athletic, cycling, cricket, football, and kindred clubs, and would also be an attractive resort for the citizens generally, especially if means were provided for reaching the inner Park by tramway and railway.

That a Park providing such accommodation becomes more and more of a necessity as buildings in and around the City increase. This seems to be recognised by other towns, *e.g.*, Leeds, which in Roundhay Park has obtained a pleasure resort far superior to any place of the kind owned by Manchester. In securing possession of this fine park, which is three miles out of the city, the Corporation of Leeds looked to the future, and were not deterred by reason of its being located in the district of another Authority.

Your Memorialists recognise the financial magnitude of the undertaking which they advocate, but, having regard to the conditions which cause the high death-rate of Manchester, they are firmly convinced that the great value of the Park, from a health point of view, makes the acquisition of it necessary for the welfare of the City.

Your Memorialists, therefore, earnestly urge your favourable consideration of the proposal to acquire Trafford Park, and your Memorialists will ever pray, &c.

D. J. LEECH, M.D., Chairman.

T. C. ABBOTT,
R. T. WILLIAMSON, M.D. } Hon. Secs.

FRED SCOTT, Secretary.

33, Brazennose St., Manchester, June 15th, 1896.

C.—MEETINGS IN PLAYGROUNDS.

TO THE RIGHT HONOURABLE THE LORD MAYOR, THE ALDERMEN AND
COUNCILLORS OF THE CITY OF MANCHESTER.

*The Memorial of the Manchester and Salford Sanitary Association
and others*

RESPECTFULLY SHEWETH,

That your Memorialists are deeply interested in the provision of Open Spaces and Children's Playgrounds.

That they have been instrumental in contributing to the provision of such places, or furnishing them with apparatus, *e.g.*, provision of the playground and gymnasium in Every Street, Ancoats; laying out and furnishing the playground in Helmet Street, Ardwick; presentation of the Procter Gymnasium, Silver Street, Hulme; presentation of a playground at Rusholme, now part of Birch Fields Park; and the laying out and furnishing of a playground (now disused) at Ardwick Green.

Your Memorialists are deeply concerned by the proposal of the Parks Committee to allow public meetings to be held in certain open spaces in the city which have hitherto been used for purposes of recreation only.

They think the proposal is open to objection, more particularly as being an encroachment on the rights of the children, for whose benefit mainly the open spaces were provided. Your Memorialists therefore trust that you will not adopt the proposal now made, and that the Parks Committee may see their way to recommend some other plan.

D. J. LEECH, M.D., F.R.C.P.—per F. S.	{	Chairman of Committee of the Sanitary Association.
T. C. ABBOTT, R. T. WILLIAMSON, M.D., M.R.C.P., FRED SCOTT, Secretary.		{

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D.—CARBOLIC ACID POISONING.

THE RIGHT HON. SIR MATTHEW WHITE RIDLEY, M.P., &C., HER
MAJESTY'S SECRETARY OF STATE FOR THE HOME DEPARTMENT.

The Memorial of the Manchester and Salford Sanitary Association

RESPECTFULLY SHEWETH,

That your Memorialists are a body constituted nearly half a century ago for the purpose of promoting Sanitary reform and aiding the constituted authorities, chiefly by educational methods, in protecting the public health. The Association embraces medical men, chemists, engineers, and other experts, also ministers of religion, merchants, &c., all of whom give their services voluntarily for the public good.

That the attention of your Memorialists has for some time been directed to the increasing mortality caused by Carbolic Acid Poisoning.

Your Memorialists believe that, in the interest of the public, the open sale of the crude liquid commonly supplied as Carbolic Acid should be prohibited, and that this substance should be placed on the list of poisons of which the sale is restricted by law. The importance attached by the public to the supposed germicidal properties of Carbolic Acid has led to its almost universal use in households in order to counteract the effect of "bad smells." In the houses of the working classes it is kept in bottles and other vessels usually used for harmless fluids and beverages, the consequence being that accidental poisoning is of common occurrence, a large number of the victims being children.

During the ten years from 1885 to 1894, in England and Wales, 285 persons were accidentally poisoned by Carbolic Acid, and of these 78 were children under five years of age.

As a means of committing suicide, Carbolic Acid heads the list of poisons used for this purpose. In England and Wales between 1885 and 1894 no less than 683 persons killed themselves with it. Compared with the poison which stands next to it, the proportion is as 683 is to 565; all other poisons resorted to for the purpose of committing suicide are numerically a long way behind.

During the decennium named, one-fourth of the women who committed suicide by poison did so with Carbolic Acid. The frequency with which Carbolic Acid is resorted to for suicidal purposes is due to the fact above mentioned, viz., that a poisonous dose of it can be obtained without let or hindrance by anyone who can spare a few pence.

During the last five years the number of suicides by Carbolic Acid has increased at an alarming rate; in 1890 there were 43 deaths thus caused; in 1891 there were 63; in 1892 they had increased to 73; in 1893 to 117; and in 1894 to 167. The report of the Registrar-General for the year 1895 is not yet published, but judging by the frequency with which accounts of coroners' inquests in cases of Carbolic Acid suicidal poisoning appear in the daily Press, a further annual increase is to be expected.

Between 1885 and 1894 the total number of deaths in England and Wales from Carbolic Acid reached 972, nearly 100 per annum.

During the first five of these years, 1885 to 1889, the number of deaths was 354 or 71 per annum, whereas during the succeeding five years, 1890 to 1894, the number was 618, or nearly 124 per annum; the year 1894 showed the appalling total of 201 deaths, due to Carbolic Acid.

Your Memorialists desire to point out that the reason given for not interfering with the free sale of Carbolic Acid to the general public, viz., that as a germicide it exercises a powerful influence in preventing disease, is founded on an erroneous conception of the germicidal action of Carbolic Acid. It has been proved experimentally that in the quantity and strength in which Carbolic Acid can ordinarily be used in the household on substances containing the germs of disease, it is to all intents and purposes useless as a germ destroyer.

Your Memorialists therefore respectfully urge that you will take such steps as will insure that Carbolic Acid is scheduled as a poison.

And your Memorialists will ever pray, &c.

(Signed) DANIEL J. LEECH, M.D., F.R.C.P., Chairman,
Senior Physician to the Manchester Royal Infirmary.

T. C. ABBOTT, Member of the Manchester
City Council.

R. T. WILLIAMSON, M.D., Medical Registrar Manchester Royal Infirmary. } Hon. Secs.

FRED SCOTT, Secretary.

33, Brazenrose Street, Manchester, October 19th, 1896.

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6. The investigation and discussion of Sanitary questions and publication of papers.

III.—GOVERNMENT OF THE ASSOCIATION.

7. The Association shall be under the government of a Committee consisting of not less than twelve members (exclusive of *ex officio* members), a Treasurer and Deputy Treasurer, and one or more Honorary Secretaries. The Committee to appoint a Chairman, and fill up vacancies arising during the year. Any person to be added to the Committee after the annual meeting shall be proposed and seconded by members of it, at a meeting of the Committee, the election to be proceeded with at the next ensuing meeting, in the circular convening which notice of the intended election shall be given.

IV.—MEMBERS OF THE ASSOCIATION.

8. Subscribers of 5s. a year and upwards, and Donors of £5 and upwards, shall be members of the Association.

V.—MEETING OF MEMBERS.

9. The members of the Association shall meet annually in January, when the report of the Committee for the past year shall be read, the Committee, a President, Vice-Presidents, and Treasurer elected. The Presidents, Vice-Presidents, and Treasurer to be *ex officio* members of the Committee, but invited to meetings only after special resolution *ad hoc*. A draft of the Annual Report shall be sent to every member of the Committee three clear days prior to their meeting for the consideration of such Report.

10. The Chairman shall call a special meeting of the Association, on a requisition stating precisely the object for which such meeting is called, and signed by five members of the Committee.

11. No rule shall be adopted or altered except at a meeting specially called, nor without fourteen days' previous notice.

VI.—THE COMMITTEE.

12. The Committee shall consist of—1st, Members of the Medical Profession; 2ndly, Ministers of Religion; and 3rdly, Persons not belonging to either profession.

13. The five members of the Committee who have attended the least number of meetings during the year shall annually retire, and if less than twelve remain, others be elected in their stead.

14. At the meetings of the Committee, three members shall be a quorum. In the absence of the Chairman the senior member of Committee present shall take the chair.

15. The Committee shall fix their own date for an ordinary monthly meeting.

16. At Committee meetings, after the regular business is disposed of, and on such other occasions as the Committee may appoint, when the members of the Association shall be invited to be present, the reading of papers and practical suggestions on various sanitary subjects shall be encouraged.

17. When tracts and reports are published by the Committee, the responsibility of wording and contents shall rest with the authors, whose names shall be appended.

VII.—SUB-COMMITTEES.

18. A Finance Committee and other Sub-Committees shall be appointed annually by the Committee to carry out the objects of the Association; the Chairman of each Sub-Committee shall be required to report to the Committee at the ordinary meeting in every month the result of the deliberations of the Sub-Committee.

19. Inquiries into the special cases of unhealthiness of certain localities, and other investigations, shall be assigned to individual members of the Committee, or to Sub-Committees appointed for the purpose.

20. The reports of each Sub-Committee shall be drawn up by their Chairman, or any other member selected by them, and shall be presented with the least possible delay.

21. The Chairman and Honorary Secretaries are *ex officio* members, and are regularly to be apprised of the meetings of all Sub-Committees.

VIII.—SECRETARY.

22. The Committee shall appoint and pay a Secretary, whose duty it shall be to make all necessary arrangements in regard to Lectures and Returns, convene the meetings, take and insert the minutes, invoices, inventory, collect the subscriptions, and generally to act under the direction of the Committee, all publications authorised by whom shall be signed “By Order.”

IX.—LECTURES, TRACTS, &c.

23. All lectures shall be delivered in plain language, and illustrated, if possible, by specimens, models, or drawings.

24. Opportunity for inquiry and conversation shall be afforded after each Lecture.

25. Tracts shall not exceed eight pages, *duodecimo*; they shall be written in plain language, and as much as possible in harmony with the Lectures which may have been previously delivered.

26. Short illustrated placards, containing useful hints, shall, where permission can be obtained, be hung up in mills, workshops, and conspicuous places.

Ladies' Health Society,

In union with the Manchester and Salford Sanitary Association.

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HONORARY LECTURERS.

Miss **HOBBS**, Seymour View, Old Trafford.

Mrs. **LEO GRINDON**, 20, Cecil Street, Greenheys.

R E P O R T

DURING the past year the work of the Society has gone on steadily. The districts in which work had been started when our last Report appeared are gaining in usefulness. A reference to the local reports will show that some of the newer districts, and those which have lately started with a new Health Visitor, have done good work. As "to climb steep hills requires slow pace at first," so the making of a little headway in a new district needs as much earnest work as far more striking progress in a district where the Society's work is known. The reports of the older districts are, as usual, very varied in tone; in some there is a note of discouragement, the amount of evil to be grappled with seeming overpowering. Certainly, in considering the Society's work, it is impossible to help deploring that four or five Health Visitors cannot be engaged in place of each one who now works in a district, also that four or five times as many ladies as at present do not volunteer to superintend the work. During the year we have lost more helpers than we have gained; particularly sad is our loss by death of Mrs. Stuart, Lady Superintendent of Ancoats West, who is much missed by all who felt her influence.

The difficulty which is still felt in finding suitable helpers to give even a small portion of their time regularly to this work, shows either that the time of the women and girls of Manchester is already very fully occupied, or else that the work of the Ladies' Health Society is yet much misunderstood.

We must, as usual, ask for money to carry on the work; as old subscribers drop off their places are not supplied, and in order even to continue the work already started, without aiming at enlarging our boundaries, we must gain new supporters. Begging is an ungrateful task, but unless we continue to receive pecuniary support, the good work of some who can give time but cannot give much money will be rendered impossible.

It is hoped that before this report is in print, the kind offer made by Mr. Horsfall at our last annual meeting to defray the initial expenses of a cottage bath to be started in one of the dis-

districts will have been at length taken advantage of by the starting of a cottage bath in St. George's North. This would have happened some months ago in the district of Hulme West, but that Mrs. Clay, whose district seemed the most suitable for the experiment, tried long in vain to find a suitable house in the district for the bath, and owing to the excessive demand for cottages of every sort had at last to give up in despair.

In May of this year, Mrs. Hardie, President of our Committee, was summoned to London to give evidence before the House of Lords Committee on the Bill for the Better Protection of Infant Life, taking with her Mrs. Bostock, one of the Health Visitors, for the same purpose.

In February last, the Lord Mayor allotted to the Ladies' Health Society thirty carcasses out of the gift of mutton from the colony of Victoria. This was a great boon to the poor people of the districts. In emulation of the generosity of the colony, all the work in each district connected with the cutting up, carting, &c., was done free of charge.

We have received a welcome gift of one hundred articles of clothing from the Manchester, South-east Lancashire, and East Cheshire Needlework Guild, which have been distributed to worthy recipients by ladies of the Society.

The following is an extract from the annual report of the Medical Officer of Health for Salford, 1895: "The six female Health Visitors working in the borough under the joint auspices of the Corporation and the Ladies' Health Society have continued to do excellent work in the districts assigned to them. They have been particularly useful in obtaining greater cleanliness of the dwelling and in the treatment of children. To assist them, especially in the latter work, I drew up towards the end of the year a card of directions for the management of infants (Appendix), and this appears to have met with a fair amount of appreciation in several of the districts in which it has been distributed."

Our best thanks are due to the Medical Officers of Health both of Manchester and Salford and the other officials, with whom we have come in contact, for uniform helpfulness.

The following tables give the number of visits paid by the Health Visitors on behalf of the Corporations of Manchester and Salford:—

LADIES' HEALTH SOCIETY.

WORK OF FEMALE HEALTH VISITORS FOR THE YEAR, NOVEMBER, 1895,
TO NOVEMBER, 1896.

MANCHESTER.

DISTRICT.	Number of Cottages in District.	Visits paid to Cottages.		In each 100 Cottages visited the number found					Special Reports.	Average Death Rate.
		*Special.	†Ordinary.	Dilapidated.	Dirty.	Improved since last visit.	Overcrowded.	Invaded by Sickness.		
1. Ancoats, West ..	1,433	169	2,470	2	8	8	·4	40	207	42·0
2. Ancoats, North..	2,137	190	2,522	4	24	16	·0	14	185	30·7
3. Ancoats, South ..	1,398	156	2,829	12	23	16	·4	18	419	32·7
4. Ancoats, East ..	1,166	117	2,891	9	13	8	·1	17	254	29·2
5. London Road....	1,820	193	2,867	8	21	5	·2	23	180	34·0
6. Deansgate	1,705	164	1,639	29	27	18	·5	10	282	35·3
7. St. George's, Nth.	3,052	278	2,953	18	20	3	·4	31	497	26·8
8. St. George's, East	1,421	204	2,911	4	3	4	—	5	87	25·1
9. St. George's, C'nt'l	1,422	164	3,061	19	15	5	·4	12	526	39·2
10. Angel Meadow ..	1,023	81	3,474	19	12	9	·5	11	290	50·9
11. C.-on-M., North ..	1,808	230	2,462	5	1	2	·1	7	59	32·9
12. Hulme, West....	830	72	2,589	1	11	47	2	35	139	34·7
13. Hulme, Central..	3,288	393	2,925	·3	8	47	·1	15	65	28·8
Total.....	22,504	2,411	35,593	10	14	14	·4	18	3,129	—

SALFORD.

1. Ordsal	1,709	—	2,386	1·4	2·4	94·7	0·8	5·6	5	31·2
2. Trinity	1,923	—	7,140	0·5	2·4	48·8	1·0	0·5	8	36·5
3. Adelphi	1,726	—	3,895	1·5	7·4	76·6	1·0	1·3	12	28·4
4. St. Simon's, No.1 }	2,926	—	3,262	3·3	7·6	62·3	2·0	2·5	7	32·5
5. St. Simon's, No.2 }		—	3,135	9·1	18·2	46·9	1·9	7·0	4	
6. St. George's	2,192	—	3,049	2·1	3·6	19·2	0·8	1·3	2	26·2
Total.....	10,476	—	22,867	2·6	6·3	56·0	1·2	2·5	38	—

*Visits on behalf of the Medical Officer of Health *re* cases of death.

†Visits paid in course of the ordinary house-to-house inspection.

LADIES' HEALTH SOCIETY

(IN UNION WITH THE MANCHESTER AND SALFORD SANITARY ASSOCIATION).

Dr.

Statement of Receipts and Expenditure for the Year ended 31st December, 1896.

Cr.

1896.		1896.	
Jan. 1.	To Balance in the Bank	Dec. 31.	By Salaries—Health Visitors
	£ 164 18 0		£ 364 0 0
Dec. 31.	„ Subscriptions and Donations, per list..		„ Printing Annual Report
	£ 287 17 6		£ 8 11 6
„	„ Interest on Loan of £250 in the Salford Corporation, at 3¼ per cent., less tax		„ General Printing, Stationery, and Postcards
	£ 7 17 2		£ 2 9 6
„	„ Bank Interest		„ Postages
	£ 0 5 5		£ 3 0 0
			„ Advertising
			£ 1 10 0
			„ Cheque Book
			£ 0 8 4
			„ Balance in the Bank
			£ 80 18 9
			£ 460 18 1

34

Dr.

RESERVE FUND (COLTART BEQUEST ACCOUNT).

Cr.

1896.		1896.	
Jan. 1.	To Balance brought forward	Dec. 31.	By Balance in the Bank
	£ 34 7 1		£ 34 12 6
Dec. 31.	„ Bank Interest		
	£ 0 5 5		
			£ 34 12 6

I have examined the books and vouchers of the Ladies' Health Society (in union with the Manchester and Salford Sanitary Association), and certify that the above is a correct statement of the Receipts and Expenditure for the year ended 31st December, 1896, as shown therein.

46, Brown Street, Manchester, 14th January, 1897.

A. A. GILLIES, F.C.A., Hon. Auditor.

SMOKE ABATEMENT LEAGUE.

COMMITTEE and OFFICERS for the Year 1897.

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Vice-Presidents :

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J. E. BINGHAM, Esq.	GEORGE RHODES, Esq.
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Treasurer : WILLIAM THOMSON, Esq., F.C.S.

Hon. Secretary : Dr. WM. GRAHAM.

Secretary :

FRED SCOTT, Temple Chambers, 33, Brazennose Street, Manchester.

SMOKE ABATEMENT LEAGUE.

REPORT.

THE Committee of the Smoke Abatement League have to report that during the year an important Branch has been formed at Sheffield, where, through the spirited action of Mr. C. D. Leng, of the *Sheffield Telegraph*, public opinion has been roused, and a considerable fund raised to prosecute offenders. As shown by the Branch's report, several cases have already been taken into Court with satisfactory results.

The report of the Middleton Branch shows that its activity has been well maintained, thanks mainly to the energy, determination, and liberality of Mrs. Hopwood, the President. For details of the work see the Branch's report.

The Manchester Branch, during the year, apart from completing the organisation of the League, has been mainly confined to quiet pressure upon the Nuisance Committee to maintain its activity in prosecuting offenders. No need has arisen during the year for public action to resist the efforts of offenders in obtaining lenient treatment by the Corporation. The tendency in this direction has, however, been apparent towards the end of the year, and it may be necessary before long to again assert the public rights against those who claim immunity from penalty for unnecessary pollution of the atmosphere. During the past year the Nuisance Department of Manchester has been sufficiently active to also render unnecessary any action by the Manchester Branch similar to that taken at Middleton and Sheffield. The influence of the League, in causing this activity, is unquestionable, and its known watchfulness is a guarantee to the Nuisance Department that their action in protecting the public from a horrible nuisance will be promptly supported by public opinion if necessary.

The Committees of the League and the Smoke Abatement Branch of the Leeds Sanitary Aid Society are jointly preparing for presentation by deputation to the President of the Local Government Board a Memorial in favour of government inspection and control of the Smoke Nuisance. It is intended to obtain the support of as many Societies as possible which are interested in Smoke Prevention, such as societies for promotion

of pure air, sanitary reform, and the interests of architecture, and other branches of art, botanical science, &c. It is proposed that this Memorial, when ready, shall be presented to the proper Cabinet Minister by a deputation as representative and influential as possible.

The League has been in communication with a Committee in Oldham with regard to the appointment of adjudicators of prizes for Essays on Smoke Abatement, to be provided out of a fund established to commemorate the services rendered to the cause by the late Dr. Patterson, of Oldham. The final arrangements are at present in abeyance.

The Committee have at present under consideration a proposal to hold a prize competition for Hand Stoking. They would be glad of offers from manufacturers to allow the use of their boilers for the competitions.

The League has at present few financial responsibilities, but for the purpose of extending the organisation, and taking proceedings in new districts, substantial pecuniary support is required. Funds are also needed to pay for the compilation of a popular and easily understood summary of the Report of the Committee for Testing Smoke Preventing Appliances, the proprietorship of which has been transferred from the dissolved Committee to the Smoke Abatement League. The Committee consequently appeal to advocates of smoke abatement to support the League by subscriptions and donations in the practical work in which they are engaged.

THE SMOKE ABATEMENT LEAGUE.

APPENDIX.

A—RULES.

- Object.** To effect the greatest practicable abatement of the nuisance caused by the combustion of coal for manufacturing and other purposes.
- Scope.** The League is national in scope. The Head-quarters shall be in Manchester.
- Methods.** The ultimate means upon which the League shall rely to effect its object is enforcement of the law, but it shall render all possible assistance to steam users and other smoke producers by supplying information and advice.
- Government.** The League shall be governed by a Council consisting of Representatives from the Branches. While the number of Branches does not exceed ten, each may nominate four Members to serve on the Council; above ten and not exceeding fifteen, three; if numbering twenty or more, each Branch shall have two Representatives. The Officers shall consist of President, one or more Vice-Presidents, Treasurer, and Hon. Secretary. The first Officers shall be elected by the Council, and in case of vacancies these may be filled up by the Council.
- Branches.** Membership of a Branch shall, subject to the power of the Local Committee to refuse admission, consist in payment of a Subscription. Branches shall have the right to conduct their business in their own way, provided that their methods shall not be inconsistent with those approved by the Council.

Each Branch shall determine the amount of Subscription to Subscriptions. be paid by its Members.

If a Branch elects, as it may, to disburse its own funds, it shall pay to the Central Council an Affiliation Fee equal to ten per cent. of its income from all sources to meet expenses of organisation and extension of the movement. Any Branch which desires that operations in its District shall be conducted by the Central Council, may pay such portion of its Funds as it desires to be expended in legal or other proceedings to the Council, and such funds shall be employed in the District of the Branch exclusively.

A General Meeting of all Subscribers to the several Branches shall be held each year. The Council shall determine its own times of meeting.

The Treasurer shall submit a statement of Receipts and Payments duly audited at each Annual Meeting. Each Branch shall also furnish a statement of its Receipts and Payments which the Council may publish or not at its discretion.

The Council may, in the exercise of its discretion, make any effort for the promotion of the object of the League, not expressly provided for in these Rules.

B—PUBLICATIONS.

AIR POLLUTION LECTURES.

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REPORT OF COMMITTEE FOR TESTING SMOKE PREVENTING APPLIANCES.

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MANCHESTER AND SALFORD BRANCH.

(In union with the Manchester and Salford Sanitary Association.)

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STREET, MANCHESTER.

SMOKE ABATEMENT LEAGUE.

MANCHESTER AND SALFORD BRANCH.

REPORT.

THE Committee of the Manchester Branch has been mainly occupied during the past year in the work of making known the Report of the Committee for Testing Smoke Abatement Appliances, the proprietorship of which has been transferred to the League.

Deputations have visited the following towns to make public presentations of specially bound copies of the Report to the Lord Mayors, Provosts, and Mayors, viz. : Sheffield, Manchester, Salford, Birmingham, Bolton, Middleton, Glasgow, Bury, Oldham, Huddersfield, Leeds, and Burnley. Arrangements are being made for presentations in other towns also, and prominent reports of the proceedings have appeared in the newspapers in each town. This has proved a very practical method of increasing public interest in the Smoke Abatement movement.

Prosecutions by the League in Manchester have been unnecessary owing to the energetic action of the Nuisance Department; but the Committee of the League see that proceedings under the 105th Section of the Public Health Act will apparently be necessary in Salford owing to the laxity of the Corporation in prosecuting offenders. If the Salford Corporation will not keep abreast of that of Manchester during the coming year, it will be necessary for the League to demonstrate that private individuals may undertake, in the public interests, duties which the Corporation ought to fulfil.

SMOKE ABATEMENT LEAGUE—MANCHESTER AND SALFORD BRANCH.

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Treasurer's Statement of Income and Expenditure for the Year 1896.

Er.

1896.	INCOME.	£ s. d.
Jan. 1.	To Balance in Bank	18 3 0
Dec. 31.	" Subscriptions	41 13 6
"	" Sale of Reports of Committee for Testing Smoke Prevent- ing Appliances	34 0 0
"	" Middleton Branch Affiliation Fee (in hand for Central Committee)	1 3 6
		<hr/> £95 0 0

1896.	EXPENDITURE.	£ s. d.
Dec. 31.	By Secretary's Salary	50 0 0
"	" Office Rent, 1½ Years	30 0 0
"	" Printing and Stationery	9 7 7
"	" Postages, &c.	1 8 3
"	" Balance in Bank	4 4 2
		<hr/> £95 0 0

LIABILITIES:—

Secretary—Quarter	Year's Salary	£12	10	0
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Examined and found correct,

FRANCIS E. M. BEARDSALL, Chartered Accountant.

Manchester, February 11th, 1897.

Hon. Auditor.

SMOKE ABATEMENT LEAGUE.

(Manchester and Salford Branch.)

LIST OF SUBSCRIBERS.

	£	s.	d.
Barclay, Robert, and Co., Messrs.	1	1	0
Beith, Stevenson, and Co., Messrs.	1	1	0
Bles, David S., Esq.	1	1	0
Bullivant, A. R., and Sons, Messrs.	0	5	0
Crossley, W. J., Esq.	2	2	0
De Trafford, Sir Humphrey F., Bart.	5	0	0
Farrer, T. Lister, Esq.	1	1	0
Ferguson, John, and Co., Messrs.	0	5	0
Fildes, Mr. Councillor	2	2	0
Gleave, Jos. Jas., Esq.	0	10	6
Gemmell and Harter, Messrs.	1	1	0
Hadfield, George, Esq.	1	1	0
Hecht, Mrs. Edward	1	1	0
Helm, S. L., Esq.	1	1	0
Heywood, C. J., Esq.	5	0	0
Horsfall, T. C., Esq.	2	2	0
Jepson, Thomas, Esq.	1	1	0
Joynson, E. Walter, Esq.	1	1	0
Liepmann, Messrs. Julius and Co., the successors to ..	2	2	0
Mather, John, Esq.	0	10	0
Philips, Herbert, Esq.	5	0	0
Scott, C. P., Esq., M.P... ..	1	1	0
Simon, Hy., Esq.	1	0	0
Simpson and Godlee, Messrs.	1	1	0
Steinthal and Co., Messrs.	1	1	0
Watts, S. and J. and Co., Messrs.	2	2	0
Worthington, S. B., Esq.	1	1	0
	<hr/>		
	£42	14	6
Less Subscriptions outstanding.. ..	1	1	0
	<hr/>		
	£41	13	6
	<hr/>		

SMOKE ABATEMENT LEAGUE.

SHEFFIELD AND ROTHERHAM BRANCH.

President :

THE EARL OF WHARNCLIFFE.

Chairman :

CHAS. H. BINGHAM, Esq.

Committee :

B. BURDEKIN, Esq.	WM. CHESTERMAN, Esq.
S. G. RICHARDSON, Esq.	Dr. R. J. PYE-SMITH.
ROBERT BELFITT, Esq.	J. E. BINGHAM, Esq.
WALTER HALL, Esq.	

Honorary Secretary : C. D. LENG, Esq.

During the year 1896 a series of illustrated articles on smoke consuming apparatus appeared in the *Sheffield Daily Telegraph*. Some considerable correspondence ensued, and a PURE AIR FUND was started by the Proprietors of the paper subscribing £50. Other subscriptions followed, and the above branch of the Smoke Abatement League was formed. An Inspector was appointed to take observations of offending chimneys, and, assisted by Mr. Chisholm (Inspector for the Middleton Branch), five trial cases were taken into Court.

Date.	Firm Prosecuted.	Result.
1896. August 19th	The Nunnery Colliery Company, Attercliffe, Sheffield.	Order to abate the nuisance, with costs, 55/-
„	Messrs. J. L. Cockayne & Sons, Brewers, Owlerton, Sheffield	Order to abate the nuisance, with costs, 8s. 6d.
„	Messrs. Wm. Gallimore & Sons, Silversmiths, Arundel St., Sheffield	Order to abate the nuisance, with costs.
„	Messrs. Wilson & Co., Snuff Manufacturers, Sharrow Mills, Sheffield	Case withdrawn.
„	Messrs. Leadbeater & Scott, Steel and File Manufacturers, Penistone Road, Sheffield	Case withdrawn.

The result was considered to be satisfactory, and in the autumn the Inspector was re-engaged and the observations were resumed. It was thought advisable to allow manufacturers sufficient time to

make such alterations and improvements as would allow of their working without making dense smoke, and the Inspector was instructed to leave cards giving particulars whenever he discovered an offending chimney. In the meantime, the Sheffield Health Committee had awoke to their duties and had summoned a number of offenders. Some substantial fines were inflicted and a considerable improvement in the state of the atmosphere was noticed. At the last meeting of the League, held on November 2nd, it was decided to employ a resident Inspector, to take observations and later on to take legal proceedings against the offenders. The Committee also expressed a strong desire that the Smoke Inspectors should be placed under Government control as early as possible.

SMOKE ABATEMENT LEAGUE—SHEFFIELD AND ROTHERHAM BRANCH.

Dr.

Treasurer's Statement of Income and Expenditure for the year 1896.

Cr.

INCOME.		EXPENDITURE.	
1896.	£ s. d.	1896.	£ s. d.
Dec. 31. To Subscriptions as per List ...	242 15 6	Dec. 31. By Cost of Smoke Prosecutions, including Counsel's Fees, Witnesses, &c. ...	60 13 11
„ Court Costs paid by Defendants 2 10 6		„ Inspector's Wages ...	61 8 0
		„ Balance in hand ...	123 4 1
	<hr/> £245 6 0 <hr/>		<hr/> £245 6 0 <hr/>

SMOKE ABATEMENT LEAGUE.

(Sheffield and Rotherham Branch.)

DONATIONS, &c.

	£	s.	d.
Messrs. W. C. Leng & Co.	50	0	0
Messrs. Walker & Hall	50	0	0
Mr. B. Burdekin	10	10	0
Mr. W. Wilson	10	10	0
Messrs. Mappin & Webb	10	10	0
Mr. Ebenezer Hall	10	10	0
Mr. C. F. Bennett	10	10	0
Mr. S. G. Richardson	10	0	0
Mr. W. Chesterman	10	0	0
Sir Henry Stephenson.. .. .	5	5	0
Mr. F. E. Smith	5	5	0
Messrs. Arthur Davy & Sons	5	5	0
Messrs. Allen & Darwin	5	5	0
Mr. S. A. Roberts	5	0	0
The Earl of Wharncliffe	5	0	0
"G." (per R. J. Pye-Smith)	5	5	0
Mr. T. W. Hall	3	3	0
Mr. J. H. Barber	2	2	0
Dr. Keeling	2	2	0
Dr. A. H. Laver	2	2	0
Mr. W. A. Milner	2	2	0
Sir E. Ashmead Bartlett	2	2	0
Mr. R. J. Pye-Smith	2	2	0
Rev. A. T. Coore	2	2	0
"W. H. M." (re Upperthorpe)	1	10	0
Dr. Arthur Hall	1	1	0
Mr. J. R. Watts	1	1	0
Mr. Robert Belfitt	1	1	0
Mr. J. Howson	1	1	0
Mr. Alfred H. Allen	1	1	0
"Tory"	1	1	0
Dr. Roberts	1	1	0
Mrs. Woodhouse	1	1	0
"Kensington"	1	1	0
Mr. W. T. Wheatley	1	0	0
Mr. Jonathan Taylor	0	10	0
"Spotted Dog"	0	5	0
"Black as Midnight"	0	2	0
Mr. John Cousins	0	2	0
"B. H. T."	0	1	0
"A. B. S."	0	1	0
Mr. J. Shaw	0	1	0
Mr. R. E. Careton	0	1	0
"Bill Shillito"	0	1	0
Sundry small sums	3	0	6
	<hr/> £242 15 6 <hr/>		

SMOKE ABATEMENT LEAGUE.

MIDDLETON BRANCH.

President and Treasurer - - - - - MRS. HOPWOOD.

Vice-Presidents.

REV. T. E. CLEWORTH. DR. W. GRAHAM. MR. J. SHEPHERD.

Hon. Sec. - - - - - MR. A. WATERS.

Committee.

MR. JOHN BAGOT.

MRS. COLEMAN.

MR. LEWIS DAVIS.

MR. A. H. EDMONDS.

MRS. GRAHAM.

MRS. W. M. WIGGINS.

MR. WM. WYNN.

DURING the past year 235 members subscribed to the Branch. Only a nominal contribution is at present required, owing to the liberality of the President, Mrs. Gregge-Hopwood, who pays the two inspectors' wages, the cost of all prosecutions, and has further defrayed the expenses of the Annual Meeting at Rochdale.

In accordance with the rules, one-tenth of the ordinary income has been paid over to the Central Committee.

The two inspectors of the Branch have been kept employed two days a week reporting the results of their smoke observations to the local Committee, and also supplying information on forms (a copy of the heading of which is appended). Thus the Committee have been acquainted with the condition of chimneys, methods of firing, &c., of many of the mills in the Middleton, Heywood, Chadderton, Castleton, and Royton districts, where proceedings have been taken in numerous cases to enforce the abatement of the smoke nuisance.

In Royton eight firms were prosecuted, and "orders to abate" with costs were in each case obtained. This being a new field of operations, penalties were not obtainable, except in one case, where a fine of 5s. was inflicted.

In Chadderton ten summonses were issued against five firms, and penalties ranging from 2s. 6d. to 10s. were inflicted.

In the Borough of Heywood no cases were summoned on behalf of the League, as the Inspector of the Corporation has displayed commendable interest in the matter of effecting, by various means, an abatement of the nuisance. In many instances in this town manufacturers have adopted special appliances or methods of smoke prevention.

In Middleton ten firms were summoned. In one case an "order to abate," and in nine cases penalties from 2s. 6d. to 20s. were inflicted, several of these having been repeatedly summoned before. There is now a disposition on the part of the magistrates to impose heavier fines than previously in such cases. Within the Borough the cases are ably conducted by the inspector

resident in the town, but in the out-districts Mrs. Hopwood personally prosecutes.

At the County Police Court, Rochdale, proceedings were taken against the Lancashire & Yorkshire Railway Company, in November, for permitting black smoke to issue from locomotives at Badge Yard, Castleton; a conviction was obtained in one case with 20s. fine; three other summonses were then withdrawn, the object of the suit having been gained.

It is now generally admitted in Middleton that there is a marked improvement in the atmosphere of the district, and the old complaint that "trade and industry were harassed" is disappearing when proceedings are taken against manufacturers for smoke nuisance.

[Copy of Form.]

STEAM USERS.

DATE.	1	2	3	
189...	NAME AND DESCRIPTION OF FIRM.	No. of Spindles.	No. and Size of Boilers.	
4	5	6	7	8
Size of Furnace and Kind of Bars.	Kind of Appliances.	Doors Ajar or kind of Louvres.	Kind of Bridge.	Kind of Coal Used.
9	10	11	12	13
No. Tons per week—10 hrs. per working day.	Method of Firing.	No. Times Fires Cleaned out.	Damper Self-acting.	Height and Dia. of Chim- ney and Flue.
14	15	16	17	
Draught: Speed of Air by an Anemometer.	by Water Gauge.	Steam Pressure.	Kind of Engines.	I. H. Power.
18	19	20	21	
Fire Escape.	Sanitary Con- venience. Kind of w.c.	Where situate. For Females. Males.	Ward and other Remarks.	

SMOKE ABATEMENT LEAGUE—MIDDLETON BRANCH.

Dr.

Treasurer's Statement of Income and Expenditure for the Year 1896.

Cr.

INCOME.		EXPENDITURE.	
1896.	£ s. d.	1896.	£ s. d.
Dec. 31. To Subscriptions...	... .. 11 15 0	Dec. 31. By League Affiliation Fee	... .. 1 3 6
		„ Postages and Sundries	... .. 0 12 3½
			<hr/>
			1 15 9½
		„ Balance in hand ...	... .. 9 19 2½
			<hr/>
	<hr/>		£11 15 0
	£11 15 0		<hr/>

SUSAN HOPWOOD,

Treasurer.

